Application No. Applicant(s) Index of Claims 09/541,765 KLEE ET AL. Art Unit Examiner 2831 Eric W Thomas (Through numeral) Cancelled Rej cted **Non-Elected Appeal** N Α 0 Restricted Interference Objected Allowed Claim Date Date Final Final

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|----------|----|--|----------|----------|----------|-----------|----------|----------|-----------|-----------|-----|----------------|------|----------|----------|-----------------|----------|----------|-----------|-----------|---------------|----------|--|-------|----------------|-----------------|----------|----------|-----------|----------|----------|----------|----------|
|          | 1  | √  | П        |          |          |           |          |          | П         | $\neg$    | ı   |                | 51   |          |          |                 | コ        | ヿ        | 7         |           | 7             |          |  | 101   | T              |                 |          |          | П         |          | 十        | 十        | ヿ        |
|          | 2  |  |          |          |          |           | Г        |          |           |           |     |                | 52   |          |          |                 | $\neg$   | $\neg$   |           |           |               | _        |  | 102   |                | $\vdash$        |          |          | $\Box$    | $\neg$   | 十        | $\top$   | $\neg$   |
|          | 3  | V  |          |          |          |           |          |          | $\Box$    |           | ı   |                | 53   |          |          |                 | ヿ        | $\neg$   | $\neg$    | T         |               | 7        |  | 103   |                |                 |          |          | $\Box$    | $\neg$   | 十        | 十        | ヿ        |
|          | 4  | 1  | П        |          |          |           | Г        |          |           | $\neg$    | ı   |                | 54   |          |          |                 | コ        |          |           |           | _             | 7        | $\vdash$   | 104   |                |                 |          |          |           | $\neg$   | $\top$   | $\top$   | ┪        |
|          | 5  | 1  | П        |          |          |           | Г        |          | $\neg$    |           | ı   |                | 55   |          |          |                 | ヿ        |          |           |           |               | 7        |  | 105   |                |                 |          |          | $\Box$    | $\dashv$ | 十        | $\top$   | ᅥ        |
|          | 6  | 1  | П        |          |          |           |          |          | $\neg$    |           | ı   |                | 56   |          |          |                 | $\neg$   | $\neg$   |           | T         | 十             | 7        |  | 106   |                |                 |          |          | П         | 十        | 十        | 十        | ᅥ        |
|          | 7  | √  | П        |          |          |           |          |          | T         | $\neg$    | ı   |                | 57   |          |          |                 | ╗        | 寸        | 寸         | $\dashv$  | 十             | 7        |  | 107   |                | T               |          |          |           | $\dashv$ | 十        | $\dashv$ | ┨        |
|          | 8  | 1  | П        |          |          |           |          |          | П         |           | Ì   |                | 58   |          |          |                 | ヿ        | T        |           | T         | _             |          |  | 108   |                | $\vdash$        |          |          | $\vdash$  | 十        | 十        | 十        | ᅥ        |
|          | 9  | √  | П        |          |          |           |          |          | $\Box$    | ┪         | Ì   | $\neg$         | 59   |          | П        |                 | ヿ        | T        | $\neg$    | T         | 寸             |          |  | 109   |                |                 |          |          | $\vdash$  | 十        | 十        | 十        | ㅓ        |
|          | 10 | √  | П        |          |          |           | Г        | <u> </u> | $\Box$    | ヿ         | ı   |                | 60   | _        | П        |                 | $\neg$   |          | $\exists$ | $\exists$ | $\neg \vdash$ | _        |  | 110   |                |                 |          |          | $\Box$    | $\dashv$ | $\top$   | 十        | ᅱ        |
|          | 11 | 1  | П        |          |          |           |          |          |           | ヿ         | ı   |                | 61   |          |          |                 | $\neg$   | ╗        | $\dashv$  | ╅         | 十             | _        |  | 111   |                | T               |          | _        | $\vdash$  | $\dashv$ | 十        | $\top$   | ᅥ        |
|          | 12 | 1  | П        |          |          |           |          |          | T         | $\exists$ | ı   |                | 62   | -        |          |                 | ヿ        | ┪        | $\dashv$  | 寸         | 十             | _        | _  | 112   |                | <b>1</b>        |          |          | $\vdash$  | 十        | 十        | +        | ᅥ        |
|          | 13 |  | П        | П        |          |           | Г        | $\vdash$ |           | $\neg$    | ı   |                | 63   |          |          |                 | $\neg$   |          | $\neg$    | 寸         |               |          |  | 113   |                | $\vdash$        | Н        |          | $\dashv$  |          | $\dashv$ | 十        | ᅥ        |
|          | 14 |  | П        |          |          |           | T        |          | $\dashv$  | ヿ         | ı   |                | 64   |          |          |                 | ╗        |          | 寸         | す         |               |          | $\vdash$   | 114   |                | $\vdash$        | Н        | -        | $\vdash$  | $\dashv$ | 十        | $\dashv$ | Ⅎ        |
|          | 15 |  | H        |          |          |           | $\vdash$ |          | $\dashv$  | _         | ı   |                | 65   |          |          |                 | ヿ        |          | $\dashv$  | 7         | 1             | _        |  | 115   |                | +               | Н        |          | $\vdash$  | $\dashv$ | +        | +        | ᅥ        |
|          | 16 | T  | П        |          |          |           | <u> </u> |          | $\sqcap$  | ヿ         | ľ   |                | 66   |          | Н        |                 | ヿ        | 寸        | _         | _         |               | 7        |  | 116   |                | $\vdash$        | Н        | Н        | $\vdash$  | $\dashv$ | 十        | +        | ᅱ        |
|          | 17 |  | П        |          |          |           | <u> </u> |          | $\sqcap$  | $\dashv$  | -   |                | 67   | l        | Н        |                 | ᅥ        | 一        | 十         | $\dashv$  | $\dashv$      | ヿ        |  | 117   |                | $\vdash$        | H        | Н        |           | $\dashv$ | 十        | +        | $\dashv$ |
|          | 18 |  | П        |          |          |           | $\vdash$ |          | $\Box$    | $\neg$    | ı   | <u> </u>       | 68   |          |          |                 | 寸        |          | $\dashv$  | 7         |               | ┪.       | $\vdash$   | 118   |                | T               | Н        | -        | $\vdash$  | 十        | 十        | +        | ᅥ        |
|          | 19 |  |          |          |          |           | _        |          | $\neg$    | ヿ         | ı   |                | 69   |          | $\Box$   |                 | ヿ        |          | _         | $\neg$    |               | 7        |  | 119   | 1-             | $\vdash$        | П        | _        |           | $\dashv$ | 十        | +        | ᅥ        |
|          | 20 |  | М        |          |          |           |          |          | $\neg$    | $\neg$    | ı   |                | 70   | -        |          |                 | ヿ        | 一        | _         | $\dashv$  | _             | ٦.       |  | 120   |                | $\vdash$        |          |          |           | 十        | 十        | +        | ᅥ        |
|          | 21 |  | П        |          |          | _         |          |          | $\neg$    | $\neg$    | ı   |                | 71   | _        |          |                 | ヿ        |          | 十         | 十         | $\neg$        | ┪.       |  | 121   |                | t               | Н        | _        | $\vdash$  | 十        | 十        | +        | ᅱ        |
|          | 22 |  | П        | T        |          | _         |          |          | $\neg$    | $\neg$    | - 1 |                | 72   | _        |          |                 | ヿ        | 寸        | _         | _         | _             | 7        |  | 122   |                | $\vdash$        | Н        |          |           | 十        | 十        | _        | ᅥ        |
|          | 23 | $\vdash$   | Н        |          |          |           |          | _        | $\dashv$  | ヿ         | ı   |                | 73   |          | $\vdash$ | $\dashv$        | ヿ        |          |           | $\dashv$  | _             | ┥.       |  | 123   |                | $\vdash$        | Н        | -        | $\vdash$  | 十        | 十        | +        | $\dashv$ |
|          | 24 | <del>                                     </del> |          | $\neg$   |          |           |          |          | $\dashv$  | ᅥ         | ŀ   |                | 74   | _        |          | $\neg$          | _        | -        | +         | $\dashv$  | $\dashv$      | ٦.       |  | 124   | .              | +-              | -        | $\vdash$ | $\dashv$  | $\dashv$ | 十        | -        | ᅥ        |
|          | 25 | $\vdash$   | Н        | $\dashv$ |          |           |          |          |           | $\neg$    | ŀ   |                | 75   |          |          |                 |          | -        | $\dashv$  | $\dashv$  | 1             | ┥.       |  | 125   |                | -               |          |          | $\vdash$  | -+       | +        | +        | ᅥ        |
|          | 26 | H  | Н        | $\neg$   | $\neg$   | _         |          | $\vdash$ | $\vdash$  | _         | ŀ   | $\dashv$       | 76   |          | $\vdash$ |                 | ヿ        | $\neg$   | $\dashv$  | $\dashv$  | 十             | $\dashv$ | -  | 126   |                | 1-              | Н        | Н        | $\vdash$  | -+       | $\dashv$ | +        | ㅓ        |
|          | 27 |  |          |          |          |           | T        |          | _         | ヿ         | ı   |                | 77   |          |          | $\dashv$        | ヿ        |          | 十         | $\dashv$  | _             | 7        | -  | 127   |                | $\vdash$        | Н        |          |           | -        | $\dashv$ | +        | ㅓ        |
|          | 28 |  |          |          | _        |           | $\vdash$ | H        | $\dashv$  | ╛         | ı   |                | 78   |          |          | 寸               | ヿ        | $\dashv$ | _         | _         | -             | -        |  | 128   |                | $\vdash$        | Н        | -        | $\dashv$  | $\dashv$ | +        | +        | ᅱ        |
|          | 29 | _  |          | 寸        |          |           |          |          | $\neg$    | _         | ŀ   |                | 79   |          | $\dashv$ | $\neg \uparrow$ | $\dashv$ |          | +         | $\dashv$  | +             | _        |  | 129   |                | $\vdash$        | Н        | -        | $\dashv$  | $\dashv$ | +        | +        | ᅥ        |
|          | 30 |  |          | ヿ        |          |           |          |          |           | _         | ı   |                | 80   | _        |          | _               | $\neg$   | $\dashv$ | $\dashv$  | $\dashv$  | $\top$        | ┪        | <b>-</b>   | 130   |                | H               | -        | -        | $\vdash$  | $\dashv$ | +        | +        | $\dashv$ |
|          | 31 |  |          | _        | $\neg$   |           |          | _        | _         | $\neg$    | ı   |                | 81   |          | П        | $\neg$          | ヿ        | $\dashv$ | $\dashv$  | 十         | 十             | _        | $\vdash$   | 131   | <del>†</del> – | H               | -        |          | -         | $\dashv$ | 十        | $\dashv$ | ᅱ        |
|          | 32 |  |          | 一        |          |           |          | _        | $\exists$ | $\neg$    | ı   |                | 82   |          | $\neg$   | ᅥ               | 寸        | 寸        | $\dashv$  | 十         | -             | ┪.       | $\vdash$   | 132   | <del> </del>   | H               | $\neg$   | -        | Ħ         | $\dashv$ | +        | +        | ᅱ        |
|          | 33 | Н  |          |          |          |           |          | т        | $\neg$    | _         | ı   |                | 83   | $\vdash$ |          | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$  |           |               | ٦.       | $\vdash$   | 133   |                | Н               | Н        | -        | $\vdash$  | $\dashv$ | +        | +        | ㅓ        |
|          | 34 |  | $\Box$   |          |          |           |          |          | T         |           | ı   |                | 84   |          |          | 一               | 寸        | _        | +         | -         | +             | ┪        | _  | 134   |                | $\vdash$        | $\vdash$ | $\vdash$ |           | $\dashv$ | +        | +        | $\dashv$ |
|          | 35 | $\vdash$   | $\Box$   | $\neg$   |          |           |          |          | $\dashv$  | $\dashv$  | ŀ   |                | 85   |          | $\vdash$ | $\neg$          | $\dashv$ | -        | $\dashv$  | $\dashv$  | +             | $\dashv$ |  | 135   |                | Н               | $\vdash$ | $\vdash$ | $\dashv$  | +        | 十        | +        | ㅓ        |
|          | 36 |  |          | 一        | $\neg$   |           | П        | П        | $\neg$    | $\dashv$  | ı   |                | 86   |          |          | $\dashv$        | -        | $\dashv$ | 十         | $\dashv$  | $\dashv$      | 7        | $\vdash$   | 136   |                | H               | $\vdash$ | -        | $\dashv$  | $\dashv$ | +        | +        | $\dashv$ |
|          | 37 |  | $\Box$   | 一        | $\neg$   |           |          |          | T         | $\neg$    | ı   |                | 87   | $\vdash$ |          | $\dashv$        | -        | 一        | 十         | 十         | $\dashv$      | 7        |  | 137   |                | Н               | $\vdash$ |          | $\forall$ | $\dashv$ | +        | +        | ㅓ        |
|          | 38 | П  | Н        | 一        | $\neg$   |           |          | Н        |           | $\neg$    | ı   | -              | 88   |          | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | +             | ┪        | <b>—</b>   | 138   |                | Н               | $\dashv$ | $\vdash$ | $\dashv$  | +        | +        | +        | ᅱ        |
|          | 39 |  | $\vdash$ | _        | _        | $\vdash$  | $\vdash$ | М        |           | $\dashv$  | l   | -1             | 89   |          | $\dashv$ | $\dashv$        | $\dashv$ | _        | +         | $\dashv$  | $\dashv$      | ┪        | -  | 139   |                | Н               | $\dashv$ | $\vdash$ | -         | +        | 十        | +        | ㅓ        |
|          | 40 |  | $\Box$   | $\dashv$ | _        | _         | $\Box$   | H        |           | $\dashv$  | ŀ   |                | 90   |          |          |                 | -        | $\dashv$ | $\dashv$  | 7         | $\top$        | ┪        |  | 140   |                | Н               |          |          | $\dashv$  | $\dashv$ | +        | +        | $\dashv$ |
|          | 41 | _  | $\dashv$ | ヿ        | ヿ        |           | $\vdash$ | Н        |           | ᅥ         | ı   |                | 91   |          |          | 寸               | $\dashv$ | 寸        | $\dashv$  | +         | $\dashv$      | $\dashv$ | <b>—</b> —   | 141   | ╁              | Н               | -        |          | $\dashv$  | -+-      | +        | 十        | ᅥ        |
| $\vdash$ | 42 | П  | $\vdash$ | ┪        | $\neg$   | $\Box$    |          | Н        |           | $\dashv$  | ŀ   |                | 92   |          | $\dashv$ | $\dashv$        | 一        | -        | $\dashv$  | $\dashv$  | +             | ┪        | -  | 142   | +-             | $\vdash$        |          | $\dashv$ | $\dashv$  | +        | +        | +        | $\dashv$ |
| $\vdash$ | 43 |  | H        | $\dashv$ | $\dashv$ |           | Н        |          | $\neg$    | $\dashv$  | Ì   | $\dashv$       | 93   |          |          | $\dashv$        | $\dashv$ | +        | $\dashv$  | $\dashv$  | +             | ┪        | $\vdash$   | 143   | +              | Н               |          | $\dashv$ | $\dashv$  | +        | +        | +        | $\dashv$ |
| $\vdash$ | 44 |  | $\vdash$ | $\dashv$ | $\dashv$ | $\exists$ | $\vdash$ | $\vdash$ |           | ┪         | ŀ   |                | 94   |          |          | $\dashv$        | $\dashv$ | 7        | +         | $\dashv$  | +             | $\dashv$ |  | 144   |                | $\vdash$        | $\vdash$ | $\dashv$ | -         | $\dashv$ | +        | +        | ᅱ        |
|          | 45 | -  | $\vdash$ | $\dashv$ | $\neg$   | $\vdash$  | Н        | $\vdash$ |           | ᅱ         | ŀ   | <del>-  </del> | 95   |          | $\dashv$ | _               | 一        | 一        | $\dashv$  | +         | +             | ┪        | _  | 145   |                | $\vdash$        |          | -        | -+        | +        | +        | +        | $\dashv$ |
|          | 46 | -  | $\vdash$ | $\dashv$ |          |           | Н        | $\vdash$ | -         | $\dashv$  | ŀ   | 一十             | 96   | $\vdash$ | $\dashv$ | -               | $\dashv$ | 十        | +         | +         | +             | ┪        | <del>  -                                    </del> | 146   |                | $\vdash$        | $\dashv$ | -        | $\dashv$  | $\dashv$ | +        | +        | $\dashv$ |
|          | 47 |  | $\vdash$ |          | -        | $\dashv$  | H        | $\vdash$ | -         | $\exists$ | H   |                | 97   |          |          | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$  | ┰         | +             | 1        | -  | 147   |                |                 | -        | -        | $\dashv$  | 十        | +        | +        | $\dashv$ |
|          | 48 |  | $\vdash$ | $\dashv$ | $\dashv$ | -         | $\vdash$ | $\vdash$ | $\dashv$  | $\dashv$  | ŀ   | -              | 98   | $\vdash$ | -        | -               | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | +             | -        | -  | 148   |                | $\vdash$        | -        | $\dashv$ | $\dashv$  | +        | +        | +        | $\dashv$ |
|          | 49 |  | $\vdash$ | $\dashv$ | $\dashv$ | $\neg$    | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$  | ┟   | $\dashv$       | 99   | -        | $\dashv$ | ᆉ               | -        | $\dashv$ | +         | +         | +             | ┥        | $\vdash$   | 149   |                | $\vdash \vdash$ |          | $\dashv$ | $\dashv$  | +        | +        | +        | $\dashv$ |
| $\Box$   | 50 | Н  | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$  | Н        | $\neg$   | $\dashv$  | $\dashv$  | ŀ   |                | 100  | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | -+       | $\dashv$  | +         | +             | ┨        |  | 150   | +              | Н               | $\dashv$ | $\dashv$ | $\dashv$  | +        | +        | +        | ᅱ        |
|          |    | لب   |          |          |          |           | ш        | لبا      | _         |           | L   |                | , 00 |          |          |                 | _        |          |           |           |               | _        |  | 1 100 | 1              | $\sqcup$        |          |          |           | ᆚ        | ㅗ        | 丄        |          |